

**Patent Claims**

1. Arrangement (10) for a coupling of electromagnetic signals from  
5 a coaxial cable (12) into a hollow conductor (14), wherein an inner  
conductor (16) of the coaxial cable (12) enters in a rear wall (18) of the  
hollow conductor (14), the inner conductor (16) is continued in the  
hollow conductor (14) as exciter pin (20), and a tip (22) of the exciter  
pin (20) away from the rear wall (18) of the hollow conductor (14) is  
10 electrically conductively connected with a sidewall (24) of the hollow  
conductor (14).
2. Arrangement as claimed in claim 1, characterized in that the  
hollow conductor (14) has a cylindrical bore.
- 15 3. Arrangement as claimed in claim 1, characterized in that the  
hollow conductor (14) has a conical bore.
4. Arrangement as claimed in one of the claims 1, 2 or 3,  
20 characterized in that the inner conductor (16) of the coaxial cable  
enters eccentrically in the rear wall (18) of the hollow conductor (14).
- 25 5. Arrangement as claimed in one of the claims 2, 3 or 4,  
characterized in that the bore of the hollow conductor (14) is filled with  
a dielectric material (26).
6. Arrangement as claimed in claim 5, characterized in that the  
dielectric material (26) is a perfluoro plastic.